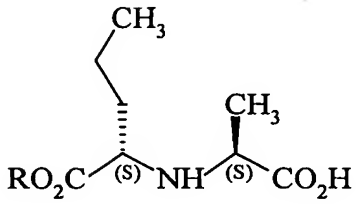
## CLAIMS

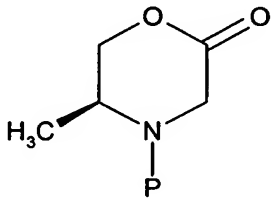
1. Process for the synthesis of the compounds of formula (I)



(I)

wherein R represents a linear or branched ($C_1$-$C_6$)alkyl group,

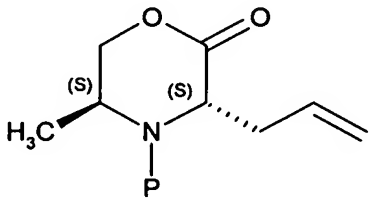
characterised in that a morpholinone of formula (III) :



(III) ,

wherein P represents a protecting group for the amino function,
is reacted

- either with allyl bromide or allyl triflate, in the presence of a base, to yield a compound of formula (IV) having the (3S,5S) configuration :



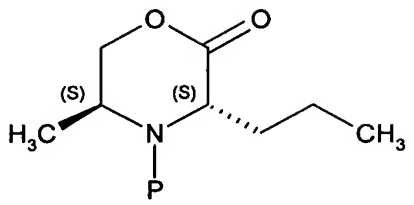
(IV)

wherein P is as defined hereinbefore,

which is hydrogenated in the presence of palladium-on-carbon,

- or with iodopropane,

to yield a compound of formula (V) :

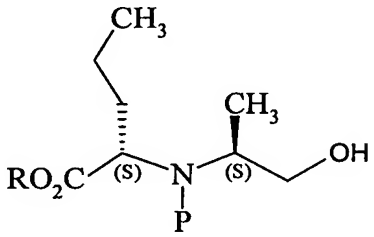



(V)

wherein P is as defined hereinbefore,

which is subjected to the action of LiOH, then to the action of an esterification reagent,

to yield a compound of formula (VI) :




(VI)

wherein R and P are as defined hereinbefore,

which is reacted with an oxidising agent to yield, after deprotection of the amino function, the compound of formula (I).

2. Synthesis process according to claim 1, allowing a compound of formula (I) wherein R represents an ethyl group to be obtained.

3. Synthesis process according to either claim 1 or claim 2, characterised in that P represents a tert-butoxycarbonyl group.

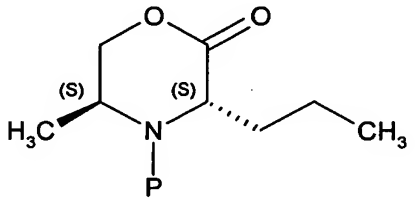
4. Synthesis process according to any one of claims 1 to 3, characterised in that the base used for the reaction between the compound of formula (III) and allyl bromide or allyl

triflate is lithium diisopropylamide, sodium bis(trimethylsilyl)amide or potassium tert-butanolate.

5. Synthesis process according to any one of claims 1 to 4, characterised in that the esterification reagent is iodoethane.

6. Synthesis process according to any one of claims 1 to 5, characterised in that the oxidising agent is $NaIO_4$ in the presence of $RuCl_3$.

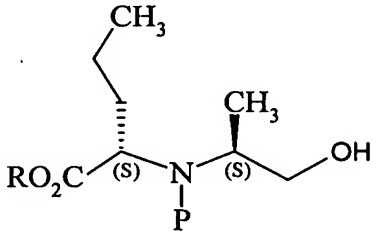
7. Compound of formula (V) :




(V)

wherein P represents a tert-butoxycarbonyl group.

8. Compound of formula (VI) :




(VI)

wherein P represents a tert-butoxycarbonyl group and R represents an ethyl group.

9. Process for the synthesis of perindopril or pharmaceutically acceptable salts thereof starting from a compound of formula (I), characterised in that the said compound of formula (I) is obtained according to the process of claim 1.